

CLAIMS:

1. A method of enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a second parameter, the method comprising the steps of:

determining a current first parameter value from an index corresponding to a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a current second parameter value from the index furthercorresponding to a second parameter; and

determining a new index value from a table relating index values to first parameter values and relating the index values to second parameter values, such that a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value.

2. A method of enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a background noise parameter, the method comprising the steps of:

determining a current first parameter value from an index corresponding to at least a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a new index value from a table relating index values to at least first parameter values, such that a new first parameter value corresponding to the new index value substantially matches the enhanced first parameter value;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the enhanced first characteristic.

3. The method according to claim 1, further comprising the step of:

replacing a current value of the index corresponding to at least the first parameter by the determined new index value.

4. The method according to claim 1, further comprising the steps of:

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the first enhanced characteristic.

5. The method according to claim 1, further comprising the step of determining the new index value from the table such that a substantial match of the current second parameter value has precedence.

6. The method according to claim 2, further comprising the step of:

replacing a current value of the index corresponding to the first parameter by the determined new index value.

7. An apparatus for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a second parameter, the apparatus comprising:

parameter value determination means for determining a current first parameter value from an index corresponding to a first parameter and for determining a current second parameter value from the index further corresponding to a second parameter;

adjusting means for adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value; and

index value determination means for determining a new index value from a table relating index values to first parameter values and relating the index values to second parameter values, wherein a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value.

8. An apparatus for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a background noise parameter, the apparatus comprising:

parameter value determination means for determining a current first parameter value from an index corresponding to at least a first parameter;

adjusting means for adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

index value determination means for determining a new index value from a table relating index values to at least first parameter values, such that a new first parameter value corresponding to the new index value substantially matches the enhanced first

parameter value;

detecting means for detecting a current background noise parameter index value; and

determining means for determining a new background noise parameter index value corresponding to the enhanced first characteristic.

9. The apparatus according to claim 7, further comprising:

replacing means for replacing a current value of the index corresponding to at least the first parameter by the determined new index value.

10. The apparatus according to claim 7, further comprising:

detecting means for detecting a current background noise parameter index value; and

determining means for determining a new background noise parameter index value corresponding to the enhanced first characteristic.

11. The apparatus according to claim 7, wherein the index value determination means is configured to determine the new index value from the table such that substantially matching the current second parameter value has precedence.

12. The apparatus according to claim 8, further comprising:

replacing means for replacing a current value of the index corresponding to the first parameter by the determined new index value.

13. A method of enhancing a coded audio signal comprising indices which represent

audio signal parameters, the method comprising the steps of:

detecting a characteristic of an audio signal;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the detected characteristic of the audio signal.

14. An apparatus for enhancing a coded audio signal comprising indices which represent audio signal parameters, the apparatus comprising:

detecting means for detecting a characteristic of an audio signal;

detecting means for detecting a current background noise parameter index value; and

determining means for determining a new background noise parameter index value corresponding to the detected characteristic of the audio signal.

15. A method of enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal, a second parameter and a background noise parameter, the method comprising the steps of:

determining a current first parameter value from an index corresponding to a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a current second parameter value from the index further corresponding to a second parameter;

determining a new index value from a table relating index values to first parameter

values and relating the index values to second parameter values, such that a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the enhanced first characteristic.

16. An apparatus for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal, a second parameter and a background noise parameter, the apparatus comprising:

parameter value determination means for determining a current first parameter value from an index corresponding to a first parameter and for determining a current second parameter value from the index further corresponding to a second parameter;

adjusting means for adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

index value determination means for determining a new index value from a table relating index values to first parameter values and relating the index values to second parameter values, such that a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value;

detecting means for detecting a current background noise parameter index value; and

determining means for determining a new background noise parameter index value corresponding to the enhanced first characteristic.

17. A computer program product, comprising portions for performing steps when the product is run on a computer for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a second parameter, the steps comprising:

determining a current first parameter value from an index corresponding to a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a current second parameter value from the index further corresponding to a second parameter; and

determining a new index value from a table relating index values to first parameter values and relating the index values to second parameter values, such that a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value.

18. The computer program product according to claim 17, wherein said computer program product comprises a computer-readable medium on which said software code portions are stored.

19. The computer program product according to claim 17, wherein said computer program product is directly loadable into the internal memory of the computer.

20. A computer program product, comprising software code portions for performing steps when the product is run on a computer for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal and a background noise parameter, the steps comprising:

determining a current first parameter value from an index corresponding to at least a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a new index value from a table relating index values to at least first parameter values, such that a new first parameter value corresponding to the new index value substantially matches the enhanced first parameter value;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the enhanced first characteristic.

21. A computer program product, comprising software code portions for performing steps when the product is run on a computer for enhancing a coded audio signal comprising indices which represent audio signal parameters, the steps comprising:

detecting a characteristic of an audio signal;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the detected characteristic of the audio signal.



22. A computer program product, comprising software code portions for performing steps when the product is run on a computer for enhancing a coded audio signal comprising indices which represent audio signal parameters which comprise at least a first parameter representing a first characteristic of the audio signal, a second parameter and a background noise parameter, the steps comprising:

determining a current first parameter value from an index corresponding to a first parameter;

adjusting the current first parameter value in order to achieve an enhanced first characteristic, thereby obtaining an enhanced first parameter value;

determining a current second parameter value from the index further corresponding to a second parameter;

determining a new index value from a table relating index values to first parameter values and relating the index values to second parameter values, such that a new first parameter value corresponding to the new index value and a new second parameter value corresponding to the new index value substantially match the enhanced first parameter value and the current second parameter value;

detecting a current background noise parameter index value; and

determining a new background noise parameter index value corresponding to the enhanced first characteristic.